

Abstract

A safety switching apparatus for safely disconnecting an electrical load, such as an electrical machine, has at least one output switch with at least two switching positions. The output switch is for interrupting an external power supply path to the load. The safety switching apparatus further has a control unit which controls the switching position of the output switch. The control unit is capable of monitoring the actual switching position of the output switch by means of an RF test signal which is transmitted from an RF generator to the output switch.